(No Model.)

T. McHUGH.

SUPPORTING DEVICE FOR STAND PIPES OF SET BASINS OR SIMILAR FIXTURES.

No. 365,400. Patented June 28, 1887.

Fig. 2

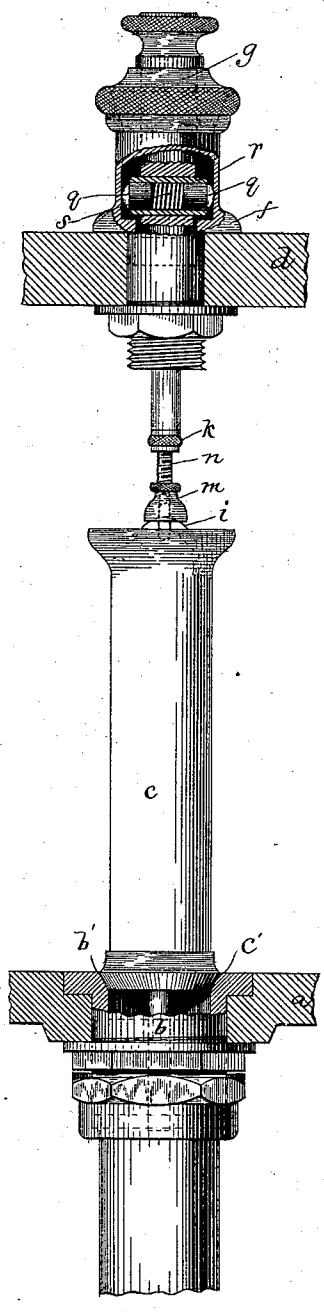


Fig. 1.

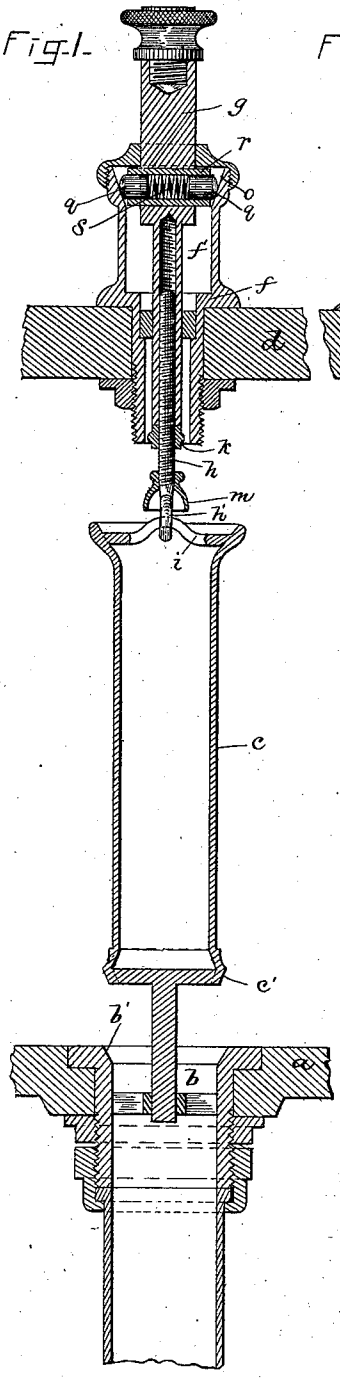
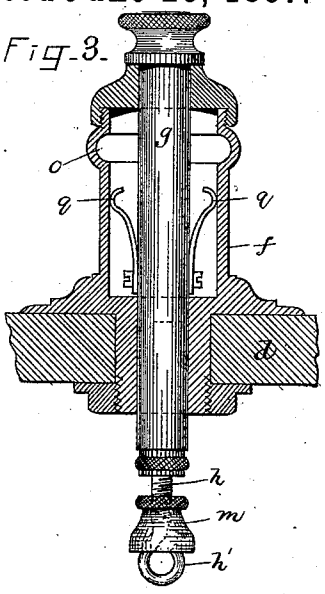


Fig. 3.



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UNITED STATES PATENT OFFICE.

TIMOTHY McHUGH, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO WILLIAM H. WARD & CO., OF SAME PLACE.

SUPPORTING DEVICE FOR STAND-PIPES OF SET BASINS OR SIMILAR FIXTURES.

SPECIFICATION forming part of Letters Patent No. 365,400, dated June 28, 1887.

Application filed April 1, 1887. Serial No. 233,302. (No model.)

To all whom it may concern:

Be it known that I, TIMOTHY McHUGH, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Supporting Devices for Stand-Pipes of Set Basins or Similar Fixtures, of which the following is a specification.

This invention relates to a set basin, bath-tub, or other similar fixture having a vertically-movable overflow-pipe, the lower end of which constitutes a valve or stopper for the outlet of the basin, so that when said pipe is inserted in the outlet no water can escape until it rises and flows into the upper end of the overflow-pipe.

The invention has for its object to provide improved means for suspending or holding said overflow-pipe in a raised position when not in use; and it consists in the improved devices which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a vertical section of a part of a set basin, showing in section its outlet, overflow-pipe, and the holding devices for the latter, embodying my invention, the overflow-pipe being raised. Fig. 2 represents a side elevation of the same, showing the overflow-pipe lowered to close the outlet. Fig. 3 represents a sectional view of a modification.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents the bottom of a set basin or other like fixture, (such as a bath-tub,) having an outlet, *b*, the latter having an annular seat, *b'*.

c represents the overflow-pipe, the lower end of which is formed as an annular valve, *c'*, adapted to fit the seat *b'*.

d represents a fixed bracket or shelf standing over the outlet *b* and above the top of the basin. To said bracket is affixed a casing, *f*, in which is fitted to slide vertically a lifting-handle, *g*. Said handle is connected in any suitable manner with the overflow-pipe *c*, preferably by a screw-threaded rod, *h*, having a hook, *h'*, at its lower end, which engages a cross-bar, *i*, at the upper end of the overflow-pipe, said rod being screwed into an internally-threaded socket in the handle *g*, so that the rod can be adjusted vertically in said handle. A jam-nut, *k*, on the rod *h*, when turned against the lower end of the handle *g*, prevents the rod *h* from being accidentally turned. An inverted-cup-shaped nut, *m*, on said rod, when turned down to partly cover the hook *h'*, prevents the latter from being accidentally disengaged from the cross-bar *i*. The casing *f* is enlarged to form a chamber, *f'*, the inner surface of which has an inclined or recessed surface, *o*, at its upper portion, which co-operates with catches *q q*, supported by and moving with the handle *g*, to support said handle and the overflow-pipe in the raised position shown in Fig. 1 when the catches bear on said inclined or recessed surface *o*.

The catches *q q* (shown in Fig. 1) are bolts adapted to slide in a casing, *r*, placed in a transverse orifice in the handle *g*. A spring, *s*, interposed between the bolts exerts an outward pressure on them and causes them to follow the inclined surface *o* when the handle *g* is raised. In Fig. 3 the catches *q q* are formed as springs attached directly to the handle *g*, and formed so that their free ends have an outward pressure on the inner surface of the chamber *f'*. In either case the catches *q* bear on the inclined or recessed surface *o* with such force as to create a resistance to the downward movement of the handle and overflow-pipe sufficient to prevent the handle and stand-pipe from falling by gravitation, so that a positive downward pressure on the handle is required to release and depress the overflow-pipe.

It is obvious that various other modifications may be made in the construction and arrangement of the catches *q q* and the inclined or recessed surface *o* without departing from the spirit of my invention.

I claim—

1. The combination of the casing having a recessed inner surface, *o*, and the overflow-pipe-supporting handle adapted to slide in said casing and provided with spring-catches *q q*, adapted to engage the recess of the inner surface of the casing, as set forth.

2. The combination of the casing having the

recessed inner surface, *o*, the overflow-pipe-supporting handle adapted to slide in said casing, the bolts adapted to slide in a guide or casing extending transversely through said handle, and the interposed spring whereby said bolts are pressed outwardly, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 25th day of March, 1887.

TIMOTHY McHUGH.

Witnesses:
C. F. BROWN,
A. D. HARRISON.